



In Place of FORM PTO-1449 (Modified)

**LIST OF PATENTS AND PUBLICATIONS FOR  
APPLICANTS' INFORMATION DISCLOSURE  
STATEMENT**

Serial Number: 10/632,419  
Applicants: James M. Tour et al.  
Filing Date: August 1, 2003  
Group: 1713  
Atty. Docket Number: 11321-P022WUD1

Reference Designation

**U.S. PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date if Appropriate
SH AAA	5,547,748	08/20/1996	Ruoff et al.	428	323	
ABA						
ACA						

**FOREIGN PATENT DOCUMENTS**

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
ADA						
AEA						
AFA						

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

Examiner Initial	
SH	AGA AIHARA, "Lack of Superaromaticity in Carbon Nanotubes," <i>Journal of Physics Chem.</i> , Volume 98, pp. 9773-9776 (1994).
—	AHA ALLONGUE et al., "Covalent Modification of Carbon Surfaces by Aryl Radicals Generated from the Electrochemical Reduction of Diazonium Salts," <i>J. Am. Chem. Soc.</i> , Volume 119, pp. 201-207 (1997).
—	AIA CHEN et al., "Solution Properties of Single-Walled Carbon Nanotubes," <i>Science</i> , Volume 282, pp. 95-98 (October 2, 1998).
—	AJA CHEN et al., "Room-temperature negative differential resistance in nanoscale molecular junctions," <i>Applied Physics Letters</i> , Volume 77, Number 8, pp. 1224-1226 (August 21, 2000).
—	AKA CHEN et al., "Chemical attachment of organic functional groups to single-walled carbon nanotube material," <i>Journal of Materials Research</i> , Volume 13, Number 9, pp. 2423-2431 (September 1998).
—	ALA CUI et al., "Functional Nanoscale Electronic Devices Assembled Using Silicon Nanowire Building Blocks," <i>Science</i> , Volume 291, pp. 851-853 (February 2, 2001).
—	AMA DELAMAR et al., "Modification of Carbon Fiber Surfaces by Electrochemical Reduction of Aryl Diazonium Salts: Application to Carbon Epoxy Composites," <i>Carbon</i> , Volume 35, Number 6, pp. 801-807 (1997).
—	ANA DELAMAR et al., "Covalent Modification of Carbon Surfaces by Grafting of Functionalized Aryl Radicals Produced from Electrochemical Reduction of Diazonium Salts," <i>J. Am. Chem. Soc.</i> , Volume 114, pp. 5883-5884 (1992).
—	AOA EBBESEN et al., "Carbon Nanotubes," <i>Annual Review of Materials Science</i> , Volume 24, pp. 235-264 (1994).
—	APA EBBESEN et al., "Large-Scale Synthesis of Carbon Nanotubes," <i>Nature</i> , Volume 358, pp. 220 (July 16, 1992).
—	AQA FUHRER et al., "Crossed Nanotube Junctions," <i>Science</i> , Volume 288, pp. 494-497 (April 21, 2000).
—	ARA HUANG et al., "Directed Assembly of One-Dimensional Nanostructures into Functional Networks," <i>Science</i> , Volume 291, pp. 630-633, (January 26, 2001).
—	ASA IIJIMA et al., "Helical microtubules of graphitic carbon," <i>Nature</i> , Volume 354, pp. 56-58 (November 7, 1991).
—	ATA JOST et al., "Diameter grouping in bulk samples of single-walled carbon nanotubes from optical absorption spectroscopy," <i>Applied Physics Letters</i> , Volume 75, Number 15, pp. 2217-2219 (October 11, 1999).
—	AUA KOSYNKIN et al., "Phenylene Ethynylene Diazonium Salts as Potential Self-Assembling Molecular Devices," <i>Organic Letters</i> , Volume 3, Number 7, pp. 1993-995 (2001).

SH	AVA	LI et al., "Temperature dependence of the Raman spectra of single-wall carbon nanotubes," <i>Applied Physics Letters</i> , Volume 76, Number 15, pp. 2053-2055 (April 10, 2000).
	AWA	LIANG et al., "Electronic Structures and Optical Properties of Open and Capped Carbon Nanotubes," <i>J. Am. Chem. Soc.</i> , Volume 122, pp. 11129-11137 (2000).
	AXA	LIU et al., "Fullerene Pipes," <i>Science</i> , Volume 280, pp. 1253-1256 (May 22, 1998).
	AYA	NIKOLAEV et al., "Gas-phase catalytic growth of single-walled carbon nanotubes from carbon monoxide," <i>Chemical Physics Letters</i> , Volume 313, pp. 91-97 (November 5, 1999).
	AZA	OBUSHAK et al., "Arenediazonium Tetrachlorocuprates (II). Modification of the Meerwein and Sandmeyer Reactions," <i>Tetrahedron Letters</i> , Volume 39, pp. 9567-9570 (1998).
	BAB	ORTIZ et al., "Electrochemical modification of a carbon electrode using aromatic diazonium salts. 2. Electrochemistry of 4-nitrophenyl modified glassy carbon electrodes in aqueous media," <i>Journal Electroanalytical Chemistry</i> , Volume 455, pp. 75-81 (1998).
	BBB	RAO et al., "Functionalised carbon nanotubes from solutions," <i>Chem. Commun.</i> , pp. 1525-1526 (1996).
	BCB	RAO et al., "Diameter-Selective Raman Scattering from Vibrational Modes in Carbon Nanotubes," <i>Science</i> , Volume 275, pp. 187-191 (January 10, 1997).
	BDB	RICHTER et al., "Theory of Size-Dependent Resonance Raman Scattering from Carbon Nanotubes," <i>Physical Review Letters</i> , Volume 79, Number 14, pp. 2738-2740 (October 6, 1997).
	BEB	SABY et al., "Electrochemical Modification of Glassy Carbon Electrode Using Aromatic Diazonium Salts. 1. Blocking Effect of 4-Nitrophenyl and 4-Carboxyphenyl Groups," <i>Langmuir</i> , Volume 13, pp. 6805-6813 (1997).
	BFB	WONG et al., "Covalently functionalized nanotubes as nanometre-sized probes in chemistry and biology," <i>Nature</i> , Volume 394, pp. 55-58 (1998).
↓	BGB	WU et al., "Finite size effects in carbon nanotubes," <i>Applied Physics Letters</i> , Volume 77, Number 16, pp. 2554-2556 (October 16, 2000).

Examiner: /Stuart Hendrickson/ (10/11/2006) Date Considered:

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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